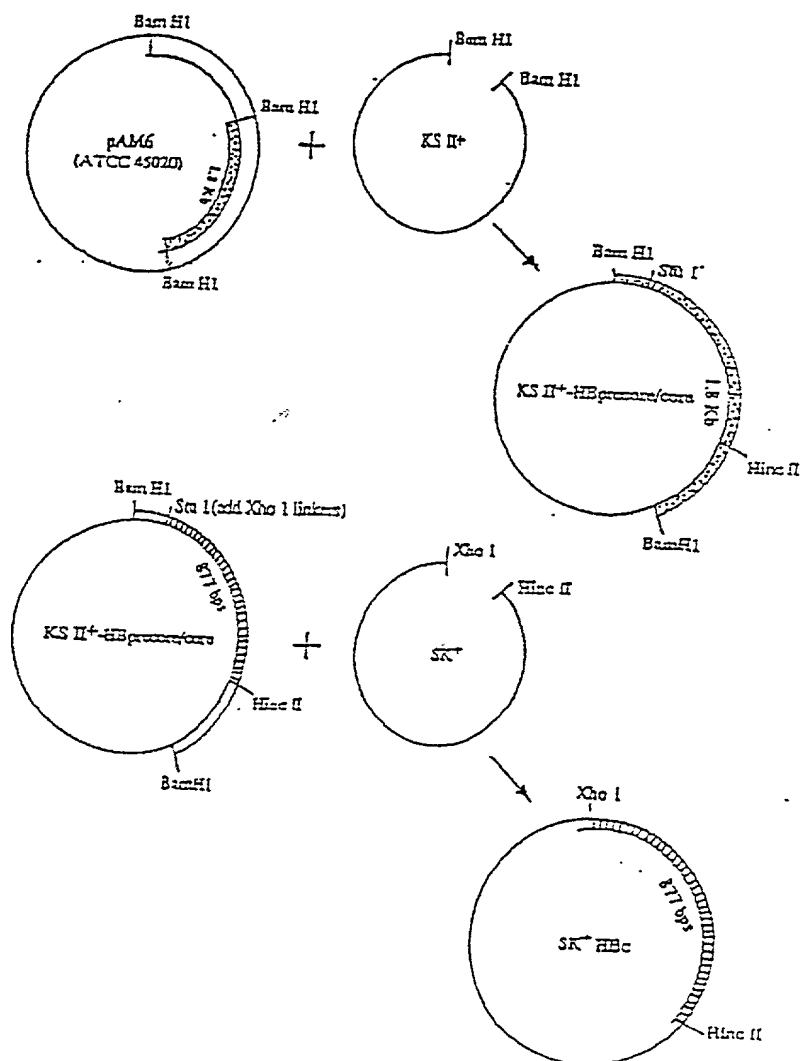


FIGURE 1



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FIGURE 2

C ACC AGC AAC

→ Promoter
ATG CAA CTT TTT CAC CTC TGC CTA ATC ATC TCT TGT ACA TGT CCC

ACT GTT CAA GCC TCC AAG CTG TGC CTT GGG TGG CTT TGG GGC ATG → ccc

GAC ATT GAC CCT TAT AAA GAA TTT GGA GCT ACT GTG GAG TTA CTC

TGG TTT TTG CCT TCT GAC TTC TTT GGT TCC GTC AGA GAT CTC CTA GAC

ACC GCC TCA GCT CTG TAT CCG GAA GCC TTA GAG TCT CCT GAG CAT

TGC TCA CCT CAC CAC ACC GCA CTC AGG CAA GCC ATT CTC TGC TGG GGG

GAA TTG ATG ACT CTA GCT ACC TGG GTG GGT AAT AAT TGG GAA GAT

79 81 84 85
CC G CAT CAA GGG ATC TAG TAG
CCA CCA TCT AGG GAT CTA GTA GTC AAT TAT GTT AAT ACT AAC ATG

GGT TTA AAA ATT AGG CAA CTA TTG TGG TTT CAT ATA TCT TGC CTT

ACT TTT GGA AGA GAG ACT GTA CTT GAA TAT TTG GTA TCT TTC GGA

GTG TGG ATT CGC ACT CCT CCA GCC TAT AGA CCA CCA AAT GCC CCT

ATC TTA TCA ACA CTT CCG GAA ACT ACT GTT GTT AGA CCA CCG GAC

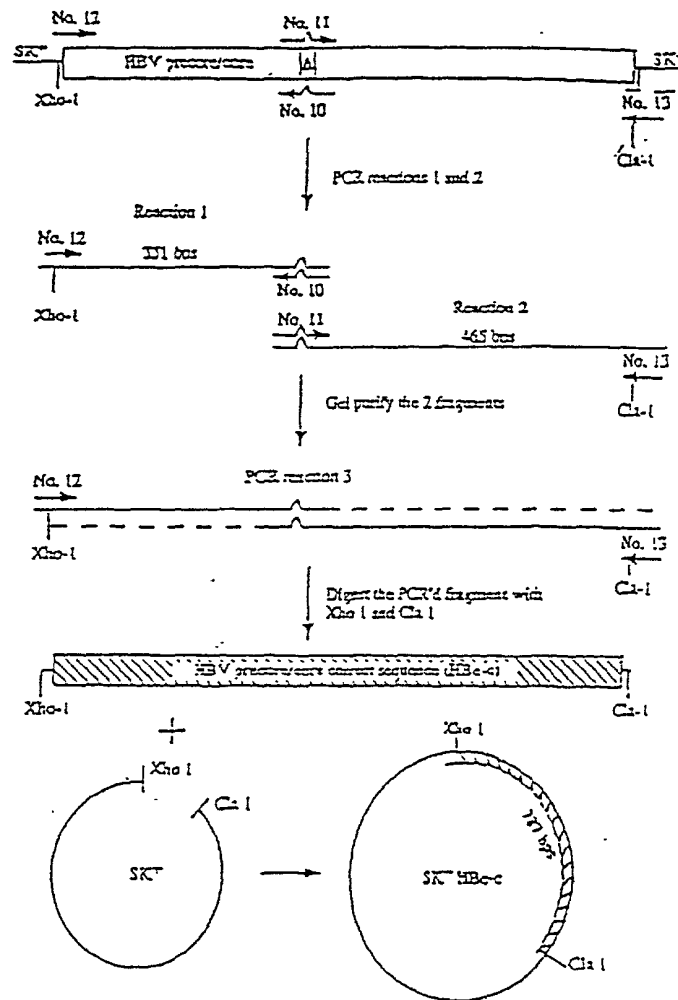
CGA GGC AGG TCC CCT AGA AGA AGA ACT CCG TGG CCT CGC AGA CCG

AGA TCT CCA TGG CCG CGT CCG AGA AGA TCT CAA TCT CCG GAA TCT

CAA TGT TAG

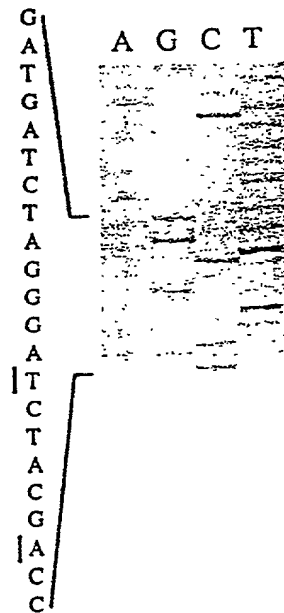
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FIGURE 3



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FIGURE 4



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FIGURE 5

ELISA for HBe				ELISA for HB core	
Sample Supernatant	ng/ml* (Incstar)	Sample Lysate	ng/ml* (Incstar)	Sample Lysate	ng/ml** (Abbott)
BC10ME	0.0	BC10ME	0.0	BC10ME	0
BC/HBe 1-10	38.0	BC/HBe 1-10	24.8	BC core 6621	750
BL/6	0.0	BL/6	0.0	BL/6	0
BL/6/HBe 1-12	27.2	BL/6/HBe 1-12	26.0	BL/6 core 6625	100
LMTK-	0.0	LMTK-	0.0	LMTK	0
LM/HBe 1-3	24.8	LM/HBe 1-3	18.1	LM core 1-2	250
EA2/K ^b	0.0			EA2/K ^b	0
EA2/K ^b /HBe 2-1	24.8			EA2/K ^b core 1-2	38
JA2/K ^b	0.0			JA2/K ^b	0
JA2/K ^b /HBe 2-3	22.4			JA2/K ^b core 10-1	200

* Standard: rHBeAg (Biogen)

** Standard: rHBcAg (Biogen)

FIGURE 6

IMMUNOPRECIPITATION/WESTERN BLOT

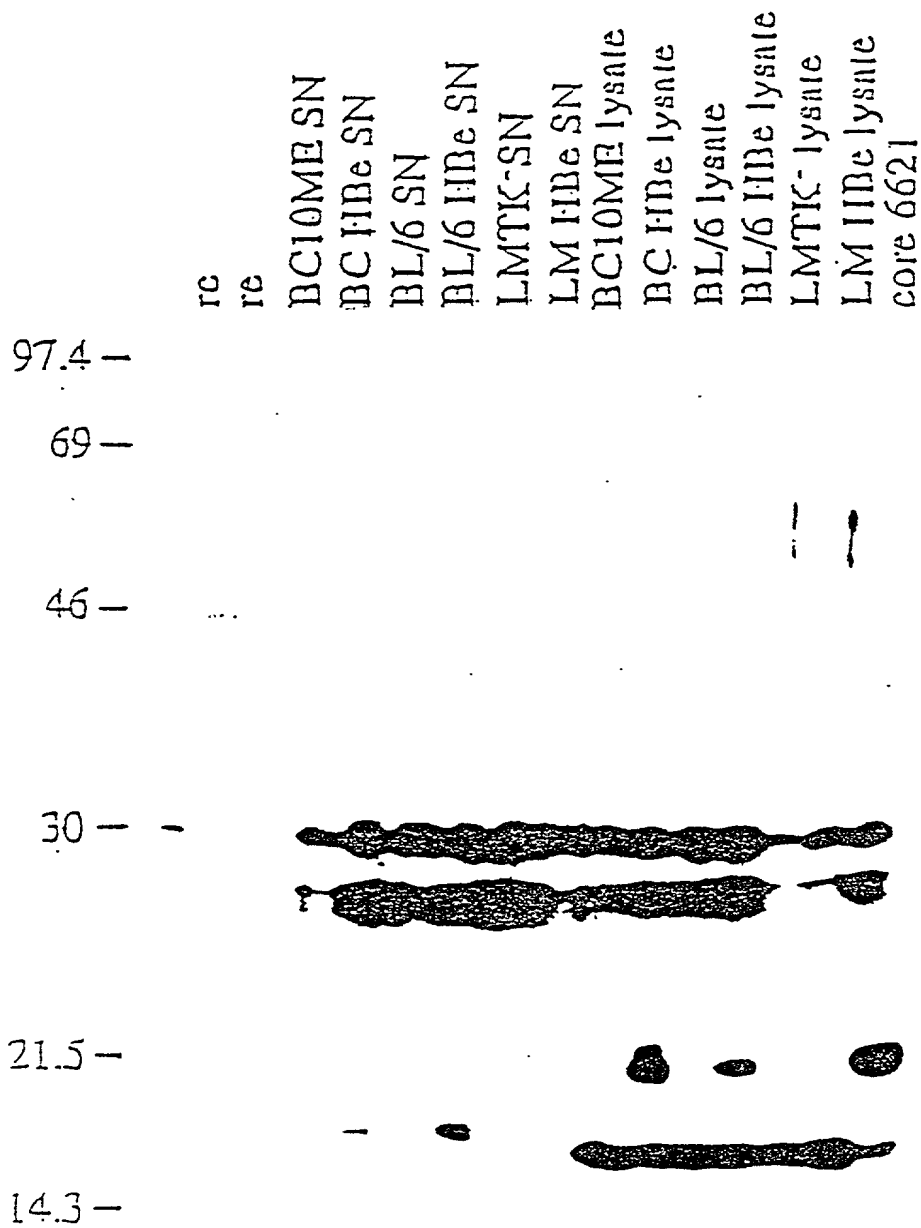


FIGURE 7 A

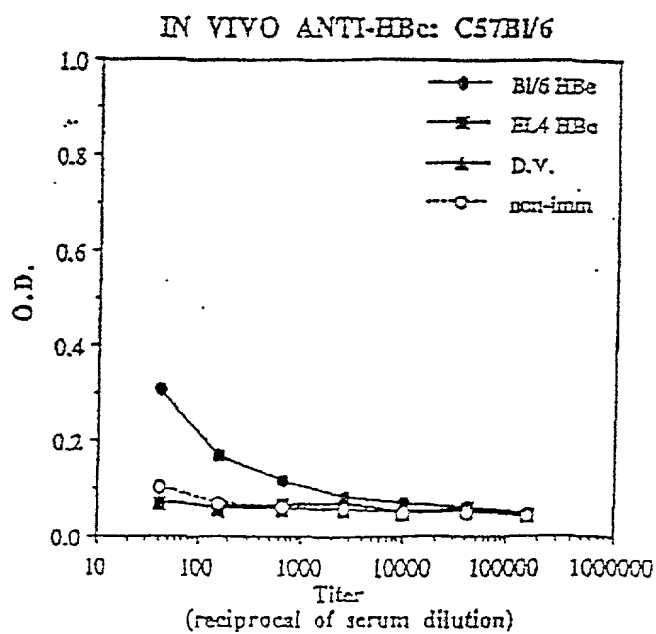
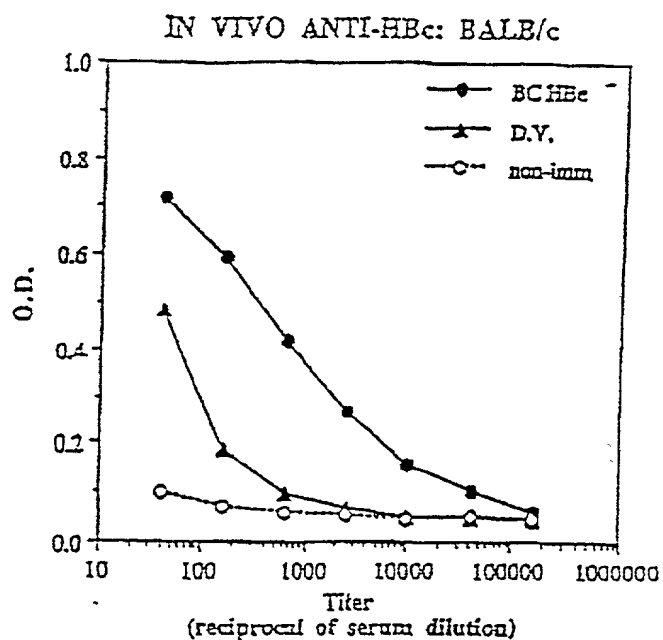


FIGURE 7 B

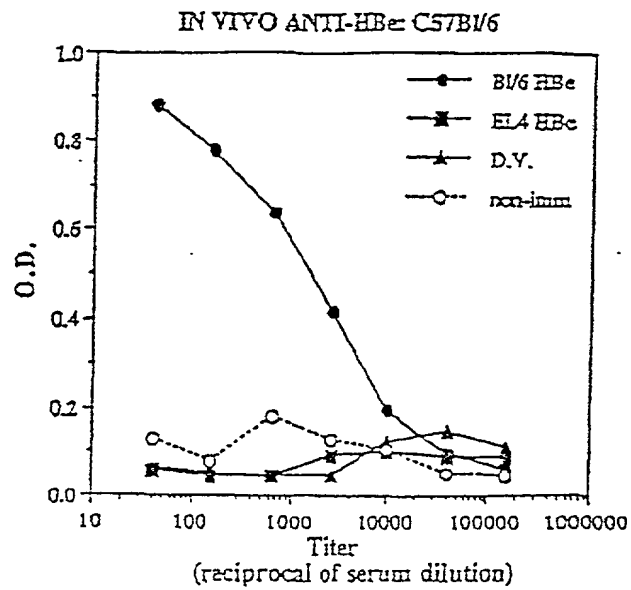
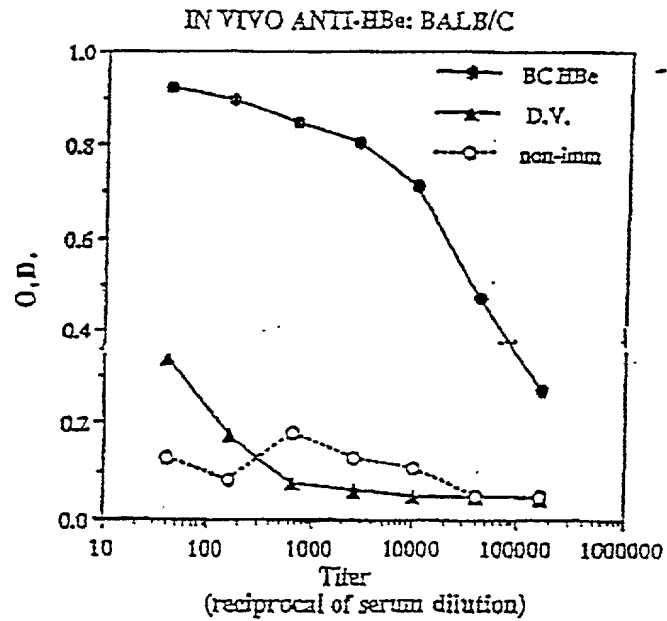


FIGURE 8

Cloning of KT my-IFN
into a Replication Defective Retroviral Vector

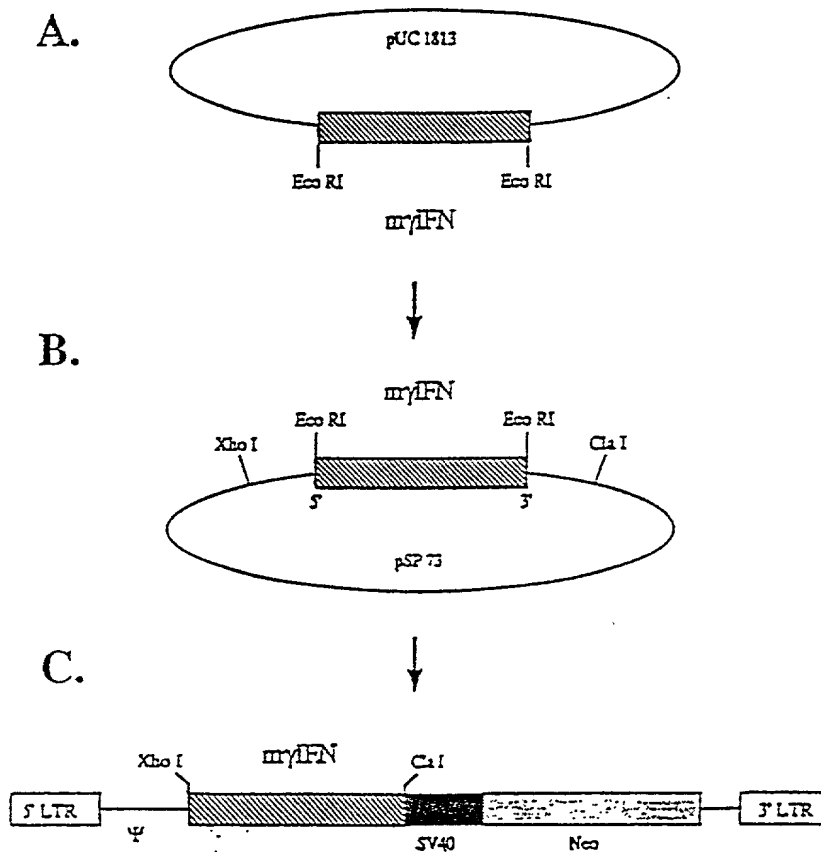


FIGURE 9

Western Blot Analysis of
MHC ClassI Protein Expression in
L33 and B16F10 Cell Lines

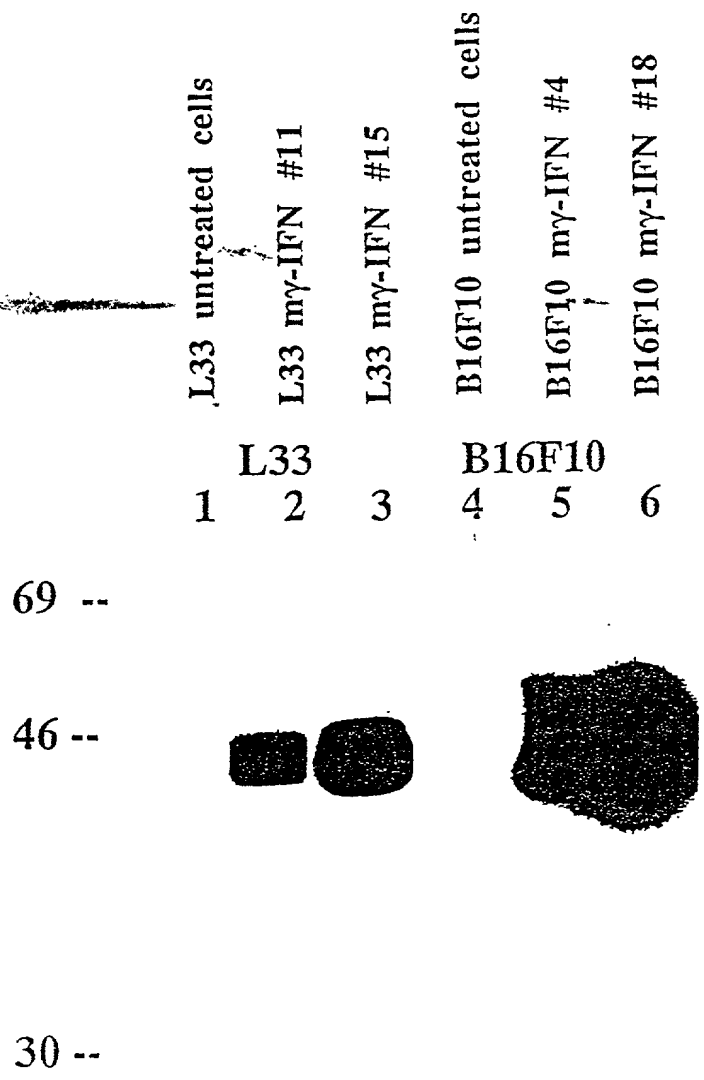
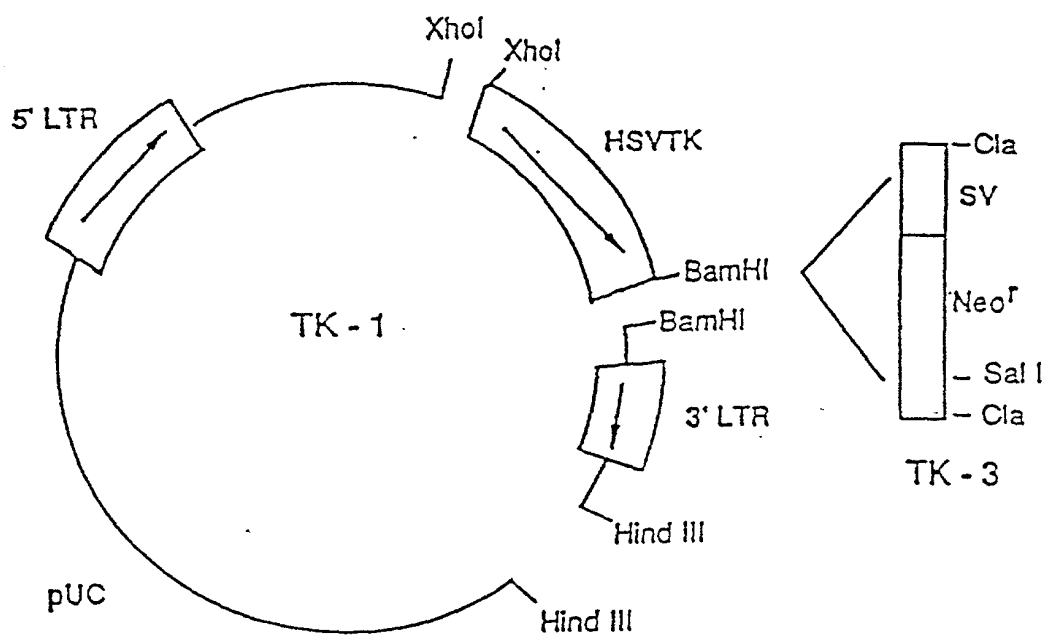


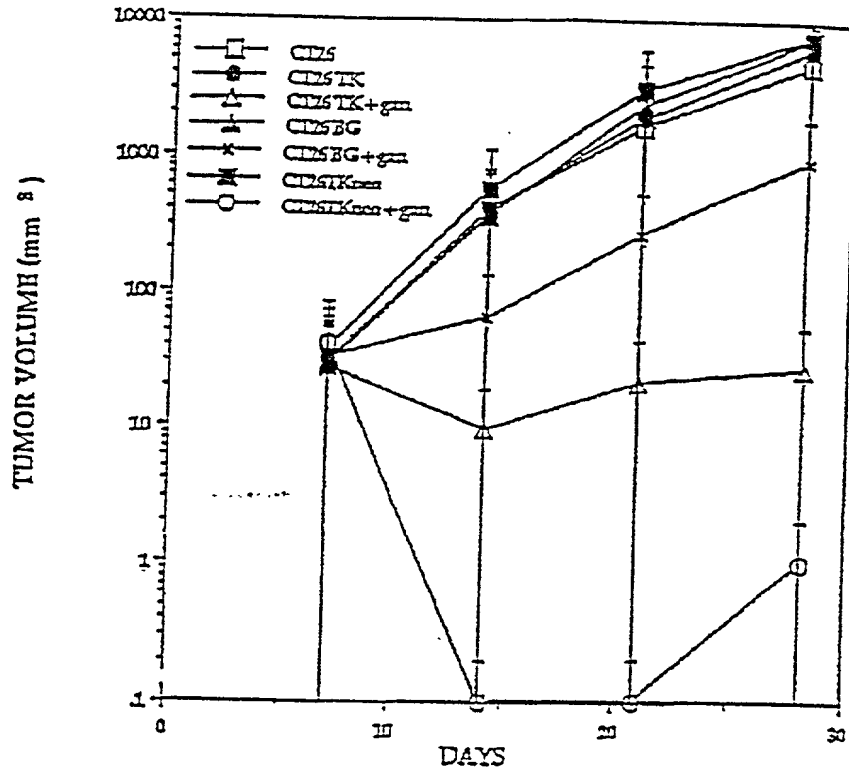
FIGURE 10

Construction of retroviral vectors pTK - 1 and pTK - 3



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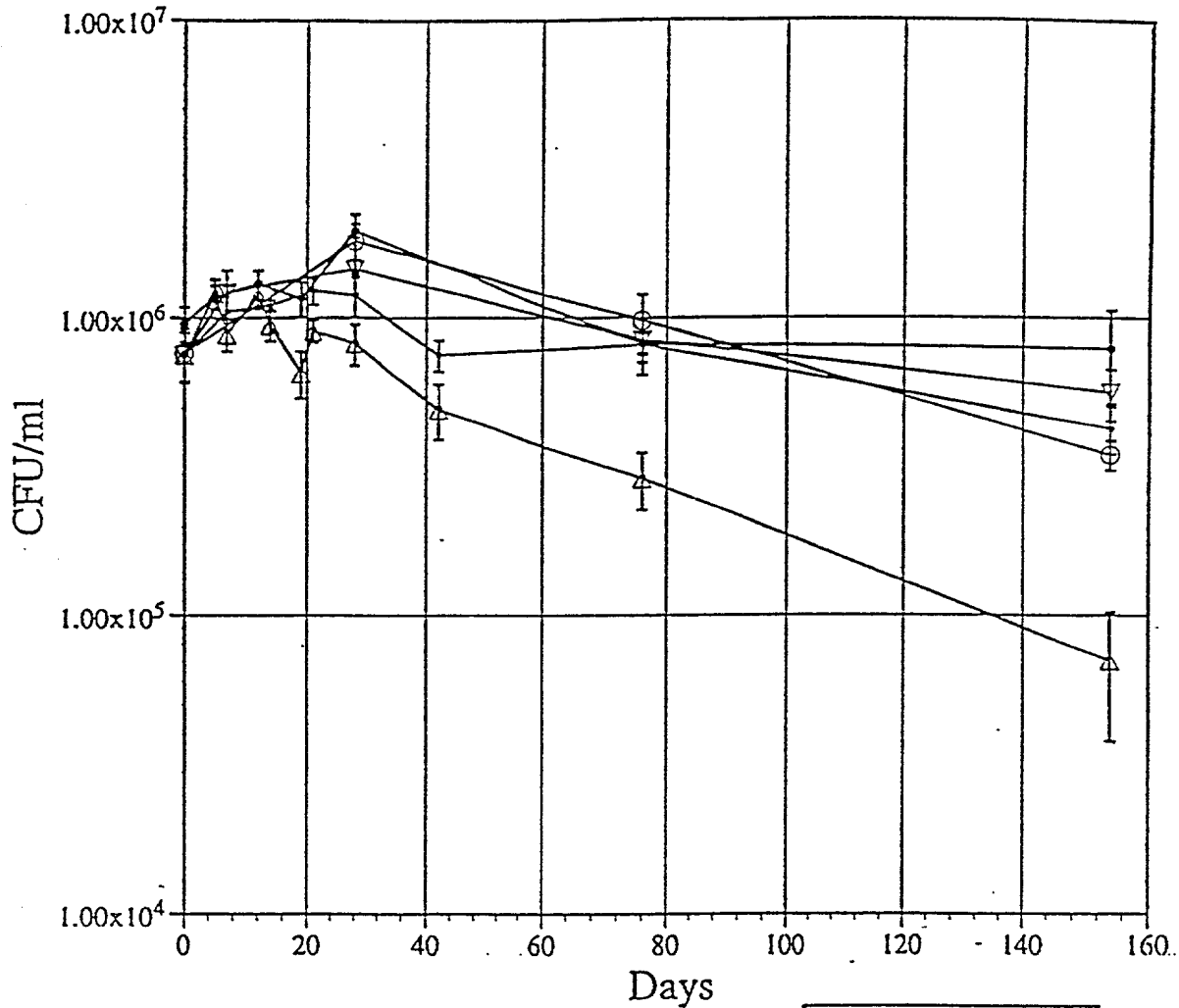
FIGURE 11



Ganciclovir Treatment of Murine Tumors Following *In Vivo*
Transduction of CT26 by Injection of TK-3 Virus

FIGURE 12

Lactose Stability Study



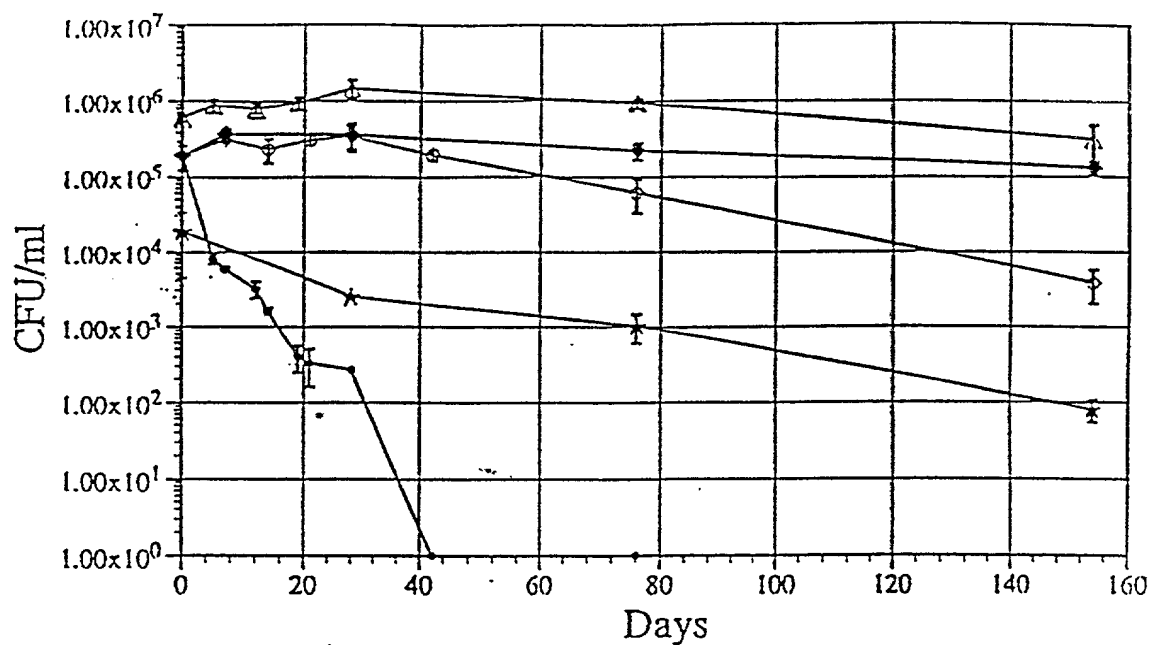
Formulation:

25mM Tris pH 7.2
60mM NaCl
1 mg/ml Arginine
5 mg/ml HSA
50 mg/ml Lactose

- -80°C Liquid
- -20°C Liquid
- ▽— -20°C Lyoph
- Refrig. Lyoph
- △— R.T. Lyoph

FIGURE 13

Mannitol Stability Study



Formulation:

25mM Tris pH 7.2

25mM NaCl

1 mg/ml Arginine

5 mg/ml HSA

40 mg/ml Mannitol

—△— -80°C Liquid

—★— -20°C Liquid

—◆— -20°C Lyoph

—○— Refrig. Lyoph

—●— R.T. Lyoph

FIGURE 14

Trehalose Stability Study

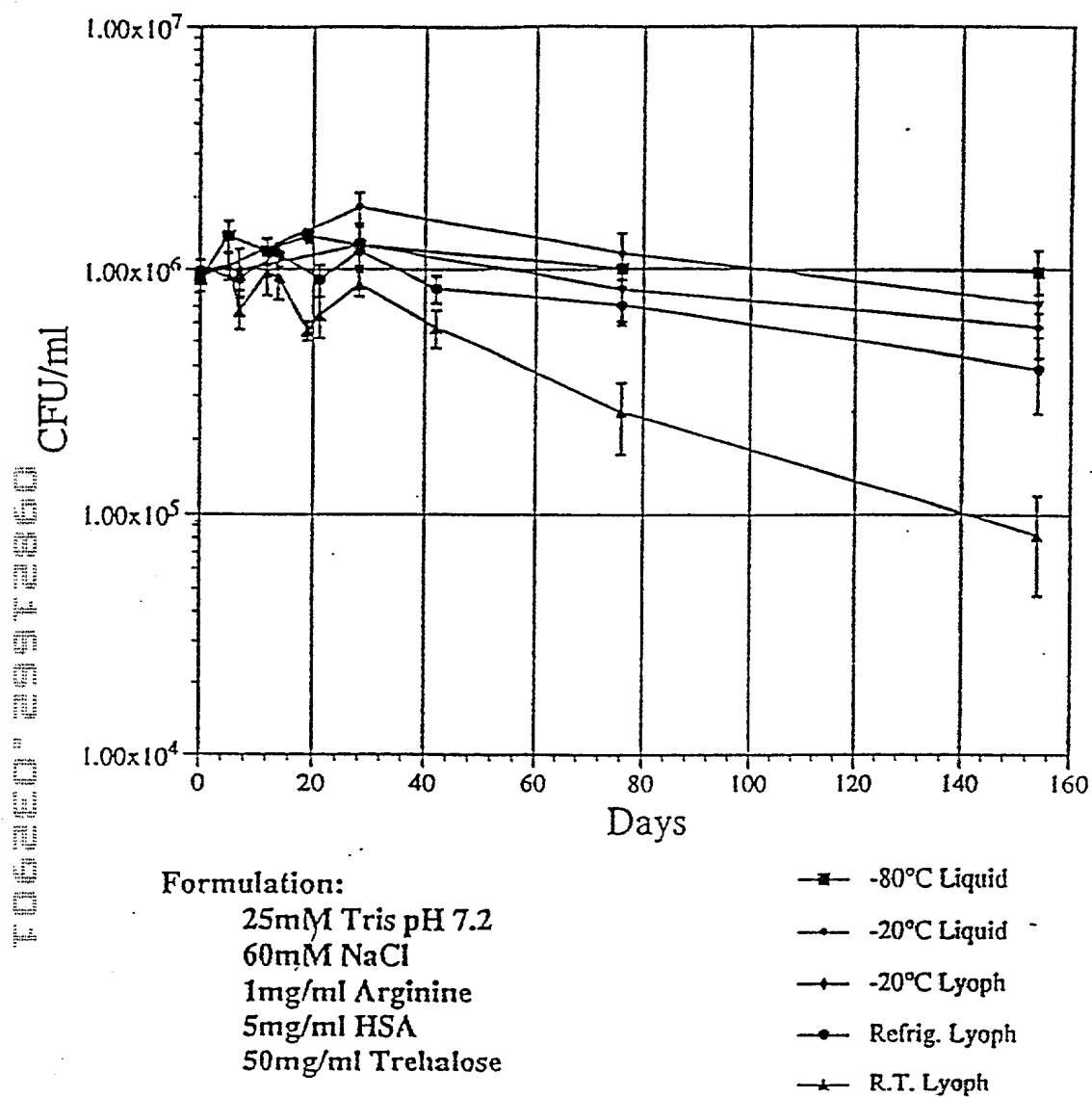


FIGURE 15

